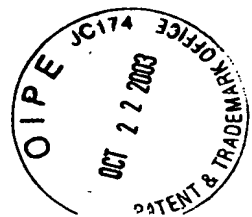


APPENDIX

ISSD Case No.	Assignee	Application No.	Filing Date	Patent No.	Issue Date	Reel/Frame	Recordation Date
4340100011	Nokia Telecommunications OY	09/400,645	21-Sep-1999			010569/0407	07-Feb-2000
5964300032	Nokia Telecommunications OY	09/329,807	10-Jun-1999			010142/0669	05-Aug-1999
5964300033	Nokia Telecommunications OY	09/401,888	23-Sep-1999			010460/0506	17-Dec-1999
5964300069	Nokia Telecommunications OY	09/639,248	15-Aug-2000			8757/0193	30-Sep-1997
5964300070	Nokia Telecommunications OY	09/155,231	23-Sep-1998			9825/0060	23-Sep-1998
5964300078	Nokia Telecommunications OY	09/371,179	10-Aug-1999			010350/0958	28-Oct-1999
5964300157	Nokia Telecommunications OY	09/325,583	03-Jun-1999			010209/0205	03-Sep-1999
5964300158	Nokia Telecommunications OY	09/390,526	03-Sep-1999	6,499,032	24-Dec-2002	012901/0699	14-May-2002
5964300200	Nokia Telecommunications OY	09/389,574	03-Sep-1999	6,505,206	07-Jan-2003	010392/0986	15-Nov-1999
5964300201	Nokia Telecommunications OY	09/387,704	17-Aug-1999			012422/0198	02-Jan-2002
5986400003	Nokia Telecommunications OY	09/111,023	07-Jul-1998			9304/0793	07-Jul-1998
5986400004	Nokia Telecommunications OY	09/247,718	09-Feb-1999			9766/0614	09-Feb-1999
5986400005	Nokia Telecommunications OY	09/209,182	10-Dec-1998			9643/0041	10-Dec-1998
5986400006	Nokia Telecommunications OY	09/146,862	03-Sep-1998	6,490,287	03-Dec-2002	9444/0297	03-Sep-1998
5986400007	Nokia Telecommunications OY	09/159,005	23-Sep-1998			9480/0016	23-Sep-1998
5986400008	Nokia Telecommunications OY	09/170,378	13-Oct-1998	6,490,275	03-Dec-2002	9739/0745	04-Feb-1999
5986400009	Nokia Telecommunications OY	10/014,217	22-Oct-2001			010083/0780	Unknown
5986400010	Nokia Telecommunications OY	09/252,264	18-Feb-1999			9782/0438	18-Feb-1999
5986400014	Nokia Telecommunications OY	09/092,540	05-Jun-1998			9362/0734	04-Aug-1998
5986400016	Nokia Telecommunications OY	09/028,241	24-Feb-1998			9890/0220	05-Apr-1999
5986400019	Nokia Telecommunications OY	09/212,608	16-Dec-1998			9654/0327	16-Dec-1998
5986400020	Nokia Telecommunications OY	09/237,728	26-Jan-1999			009727/0653	26-Jan-1999
5986400021	Nokia Telecommunications OY	09/223,555	30-Dec-1998			9686/0018	30-Dec-1998
5986400022	Nokia Telecommunications OY	09/317,333	24-May-1999			010085/0873	12-Jul-1999
5986400084	Nokia Telecommunications OY	09/126,835	30-Jul-1998			943/0500	14-Sep-1998
5986400086	Nokia Telecommunications OY	09/209,183	10-Dec-1998			9642/0975	10-Dec-1998
5986400087	Nokia Telecommunications OY	09/137,276	20-Aug-1998			Unknown	08-Aug-1998
5986400090	Nokia Telecommunications OY	09/159,711	24-Sep-1998	6,505,044	07-Jan-2003	9635/0711	09-Dec-1998
5986400093	Nokia Telecommunications OY	09/287,321	07-Apr-1999			9891/0402	07-Apr-1999
5986400094	Nokia Telecommunications OY	09/161,789	28-Sep-1998			9469/0364	28-Sep-1998
6009100028	Nokia Telecommunications OY	09/319,349	04-Jun-1999			010076/0985	04-Jun-1999
6009100029	Nokia Telecommunications OY	09/331,520	22-Jun-1999	6,487,288	26-Nov-2002	010073/0396	02-Jul-1999
6009100031	Nokia Telecommunications OY	09/331,936	29-Jun-1999			010136/0258	29-Jun-1999
6009100032	Nokia Telecommunications OY	09/355,159	31-Aug-1999			010209/0186	03-Sep-1999



6009100033	Nokia Telecommunications OY	09/341,736	15-Jul-1999				Unknown	19-Aug-1999
6009100034	Nokia Telecommunications OY	09/355,145	26-Aug-1999	19-Nov-2002	6,484,031		010201/0380	30-Aug-1999
6009100036	Nokia Telecommunications OY	09/367,830	08-Oct-1999				011036/0089	11-Aug-2000
6009100037	Nokia Telecommunications OY	09/367,921	22-Oct-1999				010812/0964	16-May-2000
6009100039	Nokia Telecommunications OY	09/407,568	28-Sep-1999				011092/0575	08-Nov-2000
6009100041	Nokia Telecommunications OY	09/416,091	12-Oct-1999				013024/0659	24-Jun-2002
6009100042	Nokia Telecommunications OY	09/440,680	12-Nov-1999	12-Nov-2002	6,480,716		010392/0823	12-Nov-1999
6009100048	Nokia Telecommunications OY	09/469,853	22-Dec-1999				010508/0031	22-Dec-1999
6009100052	Nokia Telecommunications OY	09/101,569	14-Oct-1998	12-Nov-2002	6,480,485		9544/0741	19-Oct-1998
6009100053	Nokia Telecommunications OY	09/970,551	03-Oct-2001				9517/0167	Unknown
6009100054	Nokia Telecommunications OY	09/101,526	29-Sep-1998	17-Dec-2002	6,496,532		9786/0303	26-Feb-1999
6009100056	Nokia Telecommunications OY	09/029,513	27-Feb-1998				9848/0731	27-Feb-1998
6009100057	Nokia Telecommunications OY	09/125,101	06-Oct-1998	05-Nov-2002	6,477,384		9524/0641	06-Oct-1998
6009100058	Nokia Telecommunications OY	09/194,297	23-Nov-1998				9767/0552	16-Feb-1999
6009100059	Nokia Telecommunications OY	09/171,683	22-Oct-1998	29-Oct-2002	6,473,473		9839/0911	22-Oct-1998
6009100060	Nokia Telecommunications OY	09/171,968	29-Oct-1998				9729/0136	29-Oct-1998
6009100061	Nokia Telecommunications OY	09/230,962	04-Feb-1999				9819/0992	16-Mar-1999
6009100062	Nokia Telecommunications OY	09/230,504	26-Jan-1999				009969/0277	26-Jan-1999
6009100063	Nokia Telecommunications OY	09/242,361	16-Feb-1999				010387/0418	16-Feb-1999
6009100064	Nokia Telecommunications OY	09/254,512	09-Mar-1999	19-Nov-2002	6,483,830		010019/0491	09-Apr-1999
6009100065	Nokia Telecommunications OY	09/269,484	29-Mar-1999				Unknown	06-Aug-1999
6009100066	Nokia Telecommunications OY	09/319,516	21-Jul-1999	15-Oct-2002	6,466,786		010054/0935	25-Jun-1999
6009100067	Nokia Telecommunications OY	09/319,181	02-Jun-1999	15-Oct-2002	6,466,552		010079/0986	02-Jun-1999
6009100068	Nokia Telecommunications OY	09/308,110	13-May-1999				010036/0694	13-May-1999
6009100069	Nokia Telecommunications OY	09/284,212	08-Apr-1999				9921/0118	26-Apr-1999
6009100070	Nokia Telecommunications OY	09/269,629	30-Mar-1999	29-Oct-2002	6,473,611		9921/0018	26-Apr-1999
6009100091	Nokia Telecommunications OY	09/319,195	29-Jun-1999				010067/0994	02-Jul-1999
6009100104	Nokia Telecommunications OY	09/194,747	02-Dec-1998				010006/0170	02-Dec-1998
6009100105	Nokia Telecommunications OY	09/230,496	26-Jan-1999				009967/0932	26-Jan-1999
6009100108	Nokia Telecommunications OY	09/331,449	08-Jul-1999				010082/0127	09-Jul-1999
6009100118	Nokia Telecommunications OY	09/117,700	07-Oct-1998	02-Apr-2002	6,366,602		9524/0854	07-Oct-1998
6009100119	Nokia Telecommunications OY	09/125,133	07-Oct-1998				9502/0722	07-Oct-1998
6009100120	Nokia Telecommunications OY	09/254,816	15-Mar-1999				9928/0431	03-May-1999
6009100121	Nokia Telecommunications OY	09/269,942	08-Apr-1999				9933/0977	03-Apr-1999
6009100122	Nokia Telecommunications OY	09/331,802	25-Jun-1999				010130/0918	25-Jun-1999

6009100123	Nokia Telecommunications OY	09/341,164	02-Jul-1999			010134/0579	02-Jul-1999
6009100124	Nokia Telecommunications OY	09/974,325	09-Oct-2001			011092/0575	08-Nov-2000
6009100142	Nokia Telecommunications OY	09/142,347	08-Sep-1998			9541/0482	08-Sep-1998
6009100143	Nokia Telecommunications OY	09/308,943	24-Jun-1999			010053/0297	28-Jun-1999
6009100144	Nokia Telecommunications OY	09/331,994	26-Jul-1999			0101028/0773	29-Jul-1999
6009100147	Nokia Telecommunications OY	09/341,549	13-Jul-1999			011192/0037	20-Oct-2000
6009100159	Nokia Telecommunications OY	09/051,944	25-Jun-1998			9282/0501	29-Jun-1998
6053900002	Nokia Telecommunications OY	09/331,218	30-Jul-1999			010138/0069	30-Jul-1999
6053900003	Nokia Telecommunications OY	09/367,147	30-Nov-1999			010441/0891	10-Dec-1999